ADD-DROP FILTER UTILIZING CHIRAL ELEMENTS

ABSTRACT

5   An add-drop filter, utilizing chiral elements, that enables a new signal to be added at a particular vacuum wavelength λ'_k to a fiber optic line carrying n signal channels over a band of wavelengths encompassing $\lambda_1 ... \lambda_{k-1}$, λ_k, $\lambda_{k+1} ... \lambda_n$, while an existing signal, λ_k, is simultaneously dropped from the signal group.